



**TERNIUM MEXICO, S.A. DE C.V.**  
**R.F.C. TME-840710-TR4**  
 Av. Universidad No. 992, Colonia Cuauhtémoc, San Nicolás de los Garza, N.L.,  
 Código Postal 66450  
 Teléfonos: +52(81)8329-8500  
 www.ternium.com

**CERTIFICADO DE CALIDAD /**  
**MILL TEST**

CC

**Fecha de Emisión/ Date of issue** No./ Document number  
 (DMA) 11/07/2008 494968



494968

**Código cliente/ Customer ID**  
 501269

**Pedido No./ Sales order**  
 97718

**Orden de compra/ Purchase order**  
 4575

**Cliente/ Customer**  
 PLESA CIA  
 AV. VALLE DE LAS ALAMEDAS # 66-OCOL. SAN FRANCISCO CHILPAN  
 TULTITLAN,MX,MEX 54940

**Remisión/ Delivery**  
 494968

**Medio de Transporte/ Means of transportation**  
 Triple eje con susp.

**Descripción de mercaderías/ Goods description**  
 ROLLO FRIO RECOCIDO

| Datos Generales / General Data |    |                    |           |       |
|--------------------------------|----|--------------------|-----------|-------|
| No. Rollo/Coil id.             |    | 1147102AI          | 1147102AJ |       |
| Colada/Heat                    |    | 0744299            | 0744299   |       |
| Recubrimiento/Coating          |    | N/A                | N/A       |       |
| Peso/Weight kg                 |    | 9048               | 9088      |       |
| Peso/Weight lb                 |    | 19973.51           | 20061.81  |       |
| Espesor/Thickness              |    | 0.0362             | 0.0362    |       |
| Ancho<br>Width                 | in | LI/LL              | 47.68     | 47.68 |
|                                |    | LS/UL              | 48.78     | 48.78 |
|                                |    | Real/Actual        | 48.03     | 48.03 |
|                                | mm | LI/LL              | 1211      | 1211  |
|                                |    | LS/UL              | 1239      | 1239  |
|                                |    | Real/Actual        | 1220      | 1220  |
| Largo<br>Length                | m  | LI/LL              | N/A       | N/A   |
|                                |    | LS/UL              | N/A       | N/A   |
|                                |    | Real/Actual        | 0         | 0     |
|                                | ft | LI/LL              | N/A       | N/A   |
|                                |    | LS/UL              | N/A       | N/A   |
|                                |    | Real/Actual        | 0         | 0     |
| Capa<br>Thickness              |    | oz/ft <sup>2</sup> | N/A       | N/A   |
|                                |    | g/m <sup>2</sup>   | N/A       | N/A   |
| TS/ST (1)                      |    | N/A                | N/A       |       |
| No. Parte/Part                 |    | N/A                | N/A       |       |
| Descripción/Description        |    | N/A                | N/A       |       |
| Norma de Calidad/Quality Norm  |    | SAE J403           | SAE J403  |       |
| Grado/Grade                    |    | 1008               | 1008      |       |

1. TS: Tratamiento superficial, Aceitado, Sellado / ST: Superficial treatment, Oiled, Stenciled, etc  
 4. RB: Rockwell B

2. LE: Limite elástico / YP: Yield Point  
 5. LI/LL Limite Inferior / Lower Limit

3. RT: Resistencia a la tensión / TS: Tensile Strength  
 6. LS/UL Limite Superior / Upper Limit

Observaciones / Comments

C.I. / ID #

Certificamos que el material aquí descrito ha sido inspeccionado y ensayado por personal autorizado independiente del área de manufactura con resultados satisfactorios en concordancia con la norma arriba descrita.  
 We hereby certify that the material described in here has been tested and inspected by authorized personal independent from the manufacturing department with satisfactory results in accordance with requirements of the above specification

Firma / Signature

*Antonio Maní*

Ing. Antonio Maní  
 Ternium Labs



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Calidad del Acero / Steel Quality

| No. Rollo/Coil Id.                    | 1147102AI | 1147102AJ |        |
|---------------------------------------|-----------|-----------|--------|
| Colada/Heat                           | 0744299   | 0744299   |        |
| Análisis Químico<br>Chemical Analysis | C         | 0.0910    | 0.0910 |
|                                       | Mn        | 0.3650    | 0.3650 |
|                                       | S         | 0.0040    | 0.0040 |
|                                       | P         | 0.0060    | 0.0060 |
|                                       | Si        | 0.0170    | 0.0170 |
|                                       | Al        | 0.0450    | 0.0450 |
|                                       | Mo        | 0.0100    | 0.0100 |
|                                       | Ca        | 0.0023    | 0.0023 |
|                                       | N         | 0.0043    | 0.0043 |
|                                       | V         | 0.0010    | 0.0010 |
|                                       | Ni        | 0.0270    | 0.0270 |
|                                       | Cr        | 0.0190    | 0.0190 |
|                                       | Cu        | 0.0160    | 0.0160 |
|                                       | Sb        | 0.0010    | 0.0010 |
|                                       | Cb        | 0.0010    | 0.0010 |
|                                       | Sn        | 0.0002    | 0.0002 |
| Ti                                    | 0.0010    | 0.0010    |        |

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